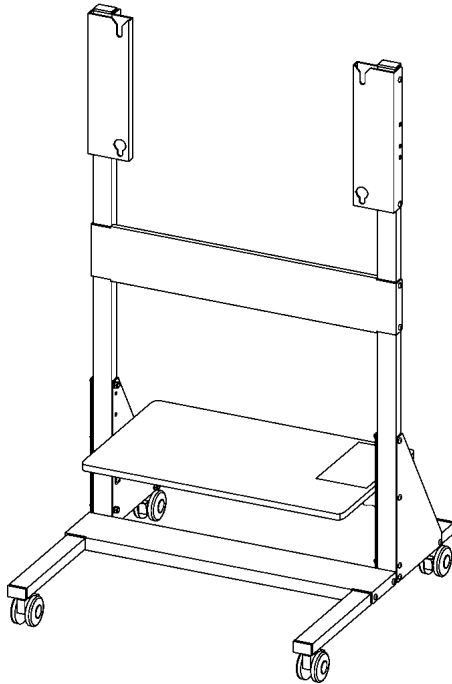


Service Manual

Mobile stand (with caster)

TY-ST58PF10



Specifications

TY-ST58PF10

Dimensions (W × D × H)

main body	33 ¹⁵ / ₆₄ " (844 mm) × 31 ¹ / ₂ " (800 mm) × 65 ¹⁵ / ₁₆ " (1675 mm)
with packing	60 ³ / ₆₄ " (1525 mm) × 36 ¹⁷ / ₃₂ " (928 mm) × 7 ³ / ₆₄ " (179 mm)

Mass (weight)

main body	70.5lb (32 kg)
with packing	101.4lb (46 kg)

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

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1 Precautions with regard to setting up

WARNING

Installation and removal should only be carried out by a qualified technician.

- If the stand is not installed correctly, the Plasma display may fall over and become damaged, and personal injury may result.

Do not disassemble or modify the stand.

- Otherwise the unit may fall over and become damaged, and personal injury may result.

Do not put it on an unstable place.

- When the stand is put on the shaking stand and the inclining place, etc., it falls and it causes the injury.

CAUTION

Do not use any displays other than those given in the catalogue.

- Otherwise the unit may fall over and become damaged, and personal injury may result.

Take steps to prevent toppling.

- Earthquakes or children climbing up or onto the display may cause the display to topple over, possibly resulting in injury.

Keep the unit away from direct sunlight and heating equipment.

- Failure to do so may result in warping, deformation, or degradation of materials, and a loss of strength that may cause the equipment to fall over or break and cause injury.

More than two people are required to install and remove the display.

- If more than two people are not present, the display may be dropped, and personal injury may result.

Leave a space of at least 3 15/16 inches (10 cm) at the top, left and right, and at least 2 3/8 inches (6 cm) at the bottom, and at least 2 49/64 inches (7 cm) at the rear.

- Do not cover the air inlet holes at the bottom or rear of the display, or air outlet holes at the top, or a fire may result.

Do not place weight of over 20 kg (44.09 lbs.) on the shelf panel.

- Otherwise the display may fall down and become damaged, and personal injury may result.

Do not climb up onto the stand or use it as a step. (Children should not be allowed to climb on this stand.)

The stand may fall over or break, and personal injury may result.

Do not use the mobile stand if it becomes warped or physically damaged.

- If you use the mobile stand whilst it is physically damaged, personal injury may result.

Set up on a stable, level surface.

- If this is not done, the unit may fall over and become damaged, and personal injury may result.
- The casters are provided with a locking mechanism, so be sure to lock the casters during setting up.

During setting-up, make sure than all screws are securely tightened.

- If sufficient care is not taken to ensure screws are properly tightened during assembly, the stand will not be strong enough to support the Plasma display, and became damaged, and personal injury may result.

Do not lubricate the casters.

- The casters may crack or became damaged, and the display may fall down and became damaged, and personal injury may result.

Unlock the casters when moving the display.

- Otherwise the display may fall down and become damaged, and personal injury may result.

Do not use the mobile stand when occur deformation or crack.

- If the stand is use in such a condition, it may fall over or break, and personal injury may result. Contact your nearest Panasonic Dealer immediately.

Requests regarding handling

- 1) If the unit is placed in direct sunlight or next to a stove, the light and heat may cause discoloration or deformation.
- 2) For cleaning, wipe the display using a soft dry cloth (made of cotton or flannel). If the unit is particularly dirty, clean it using a cloth soaked with water to which a small amount of neutral detergent has been added, and then wipe with a dry cloth. Do not use products such as solvents, thinner or household wax for cleaning, as they can damage the surface coating. (If using a chemically-treated cloth, follow the instructions supplied with the cloth.)
- 3) Do not attach sticky tape or labels without accessory seal, as they can make the surface of the mobile stand dirty. Do not allow long-term contact with rubber, vinyl products or the like. (Doing so will cause deterioration.)

Points to note during installation

- In order to ensure correct, problem-free operation of the Plasma Display, do not install the Display in any of the following places.
 - Near sprinklers or fire/smoke detectors.
 - Where there is a risk of exposure to vibration or impact.
 - Near high-voltage wires or dynamic power supplies.
 - Near sources of magnetism, heat, water vapor or soot.
 - Locations exposed to air blown from heating equipment.
 - Where droplets of condensation from an air conditioner or other unit may form.
- Insert the power cord plug for the Plasma Display into a wall outlet which is close and easily accessible.
- Provide adequate ventilation so that the temperature around the display does not rise above 40 °C (104 °F). If there is insufficient movement of the air inside display, heat may build up inside the display, and fire may result.
- Fit so there is no contact between the attachment bolts or power cord and any metal inside the wall.
- Spread a soft blanket or cloth over the floor so that the stand and floor will not be marked or scratched during the assembly and installation work.
- Perform the assembly and installation work on a flat and level surface, and follow the assembly and installation work instructions.
- When screwing down the parts, ensure that the screws are neither insufficiently tightened nor over tightened.
- Take sufficient care to ensure safety around you when performing the assembly and installation work or while moving about during the course of the work.
- Be sure to read and observe the "Precautions with regard to setting up".

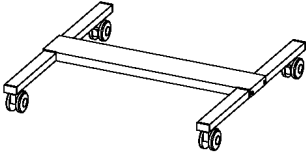
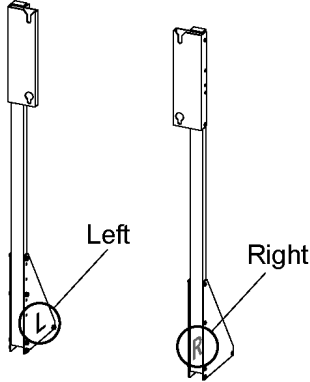
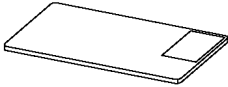
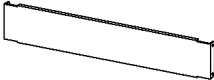
PROFESSIONAL INSTALLATION IS REQUIRED.

PANASONIC DISCLAIMS ANY PROPERTY DAMAGE AND/OR SERIOUS INJURY, INCLUDING DEATH RESULTING FROM IMPROPER INSTALLATION OR INCORRECT HANDLING.

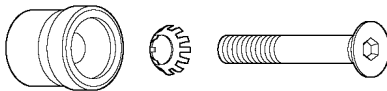
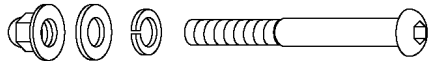
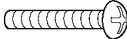
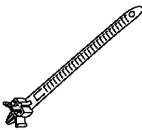
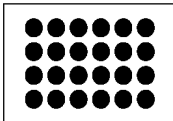
2 Constituent parts

Main parts

Check that all the parts are accounted for and present in their designated quantities.

Stand base 1 pc 	Support unit (one for the left and right sides) 1 pc each (L and R are stamped on the surfaces of the left and right support units facing inward, respectively.) 
Shelf plate 1 pc 	
Beam plate 1 pc 	Shelf peg 2 pcs 

Accessory parts

Assembly tool Allen key (6 mm) 1 pc 	Bolt for fixing the display panel (M8x45) Toothed pan washer Insulating spacer 4 sets each 	Hexagon socket cap button bolt (M8x70) Spring washers Flat washers Cap nut with flange (for M8) 4 sets each 
Beam plate fixing screw Shelf peg fixing screw 8 pcs  (M5×18)	Fixing screw 2 pcs  (M5×35)	Wood screw 4 pcs  (φ 3.8×16)
Cable strap 5 pcs 	Seal 48 pcs (on 2 sheets) 	Gasket 4 pcs (for 58-inch) 

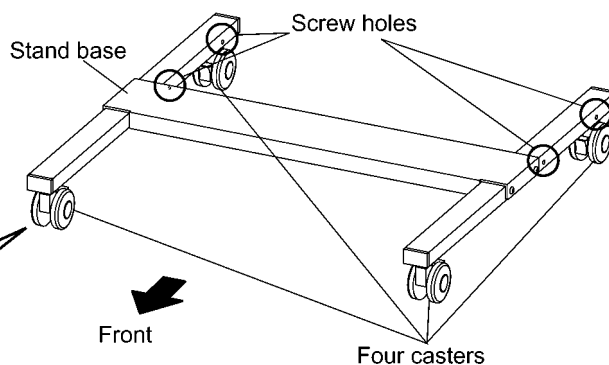
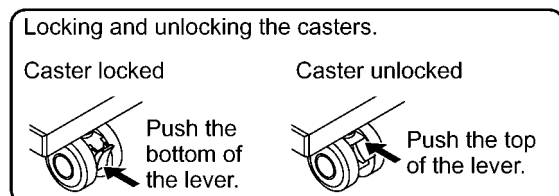
3 Assembly

3.1. Assembling of the stand

1. Check the front and rear of the stand base.

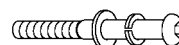
Check the front and rear sections of the stand base. There are screw holes on the side of the rear section (to be positioned on the rear side of the plasma display).

The four casters are locked when shipped to fix the stand base.



2. Getting the hexagon socket cap button bolts ready

Getting the 4 hexagon socket cap button bolts ready by passing them through the spring washers and flat washers in this order.

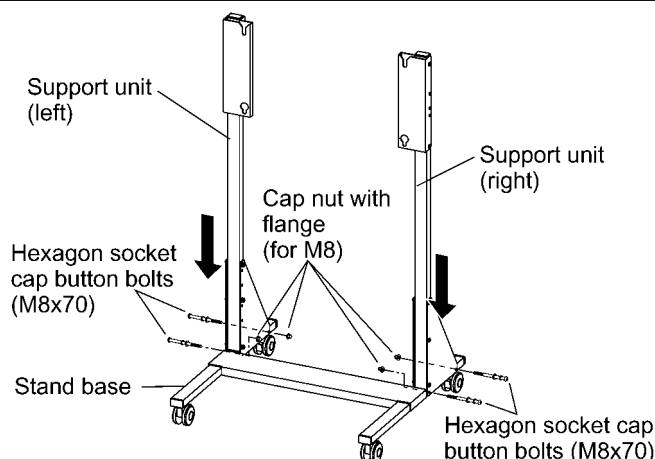


3. Fitting of the support units (left and right).

Insert the sheet metal on the bottom of the left and right support units into the rear of the stand base. Temporarily fix them with a hexagon socket cap button bolt at two positions on each of the left and right sides.

Caution

Do not fasten the hexagon socket cap button bolts tightly because the perpendicularity of the support unit is adjusted in step 4.

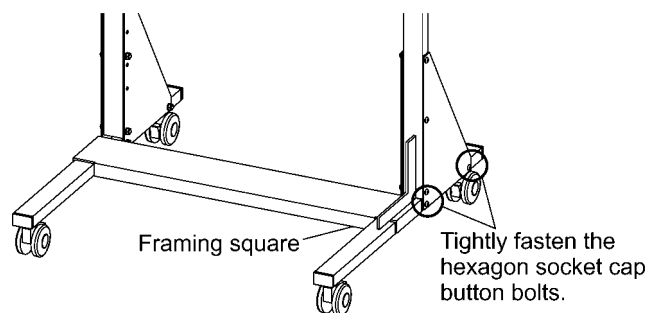


4. Perpendicularity adjustment and fixing of the support units (left and right).

Adjust the support units (left and right) so that they are perpendicular to the base stand. Tightly fasten the four hexagon socket cap button bolts (two each on the left and right) that temporarily fixed the support units.

Caution

Fasten the hexagon socket cap button bolts with a torque of 8 to 10 N·m.

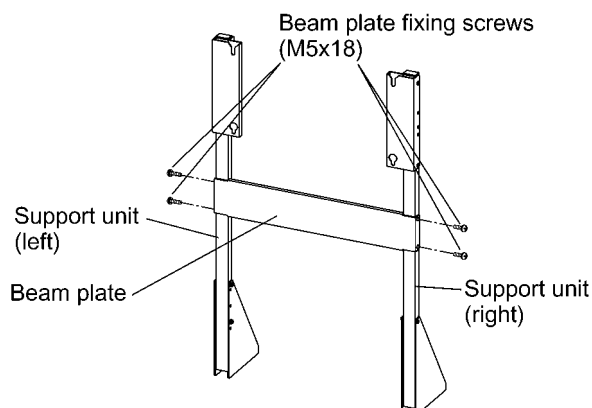


5. Fitting of the beam plate.

Fit the beam plate to the left and right support units and fix it with four screws (two each on the left and right).

Caution

Fasten the beam plate fixing screws with a torque of 2 to 3 N·m.

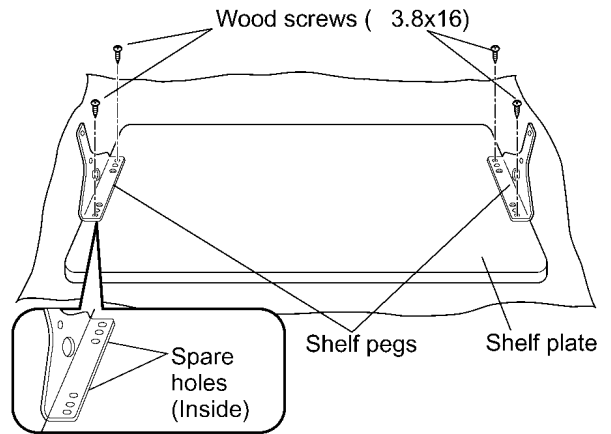


6. Preparation of the shelf plate.

Place the shelf plate with its uncoated surface (back) facing upward on a soft blanket, etc. Fit the four shelf pegs to the shelf plate with wood screws (two each on the left and right).

Caution

Fasten the wood screws with a torque of 1 to 1.2 N•m. Do not excessively fasten the wood screws to prevent idling screws. If a screw is idling, then use spare holes.



7. Shelf plate fitting

You can fit the shelf plate at a height of 350 mm or 500 mm from the floor.

The figure on the right shows the shelf plate fitted at a higher position (500 mm).

- ① When the shelf plate is fitted at a higher position, remove only one of the upper hexagon socket cap button bolts.

When the shelf plate is fitted at a lower position (350 mm), remove only one of the lower hexagon socket cap button bolts.

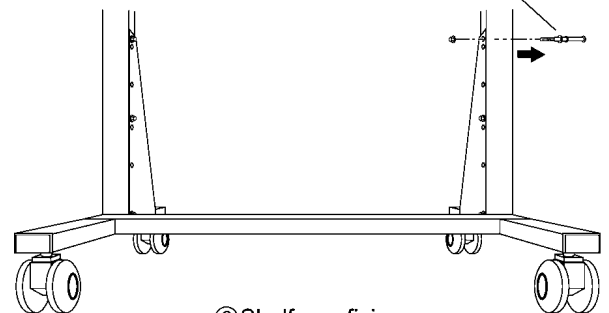
- ② Place the shelf plate between the support units and fix it with four shelf peg screws (two each on the left and right).

- ③ Refit and fasten the hexagon socket cap button bolt that was removed in step ①.

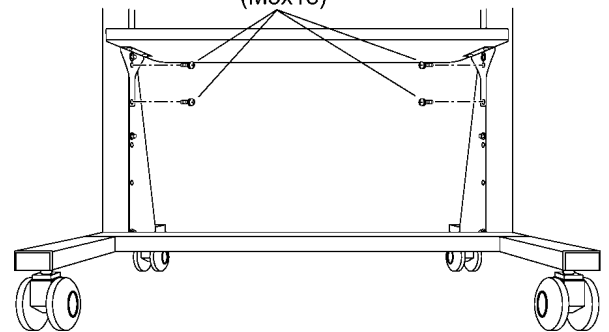
Caution

- Remove only one hexagon socket cap button bolt either on the left or right but not both.
- Do not remove the spring washers and flat washers from bolts.
- Fasten the shelf peg fixing screws with a torque of 2 to 3 N•m.
- Fasten the hexagon socket cap button bolt with a torque of 8 to 10 N•m.

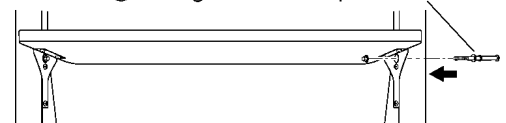
- ① Hexagon socket cap button bolt
Remove only one hexagon socket cap button bolt either on the left or right but not both.



- ② Shelf peg fixing screw (M5x18)



- ③ Hexagon socket cap button bolt

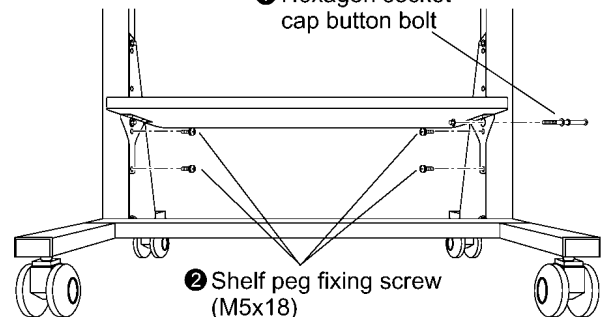


To change the shelf height

You can fit the shelf plate at a height of 350 mm or 500 mm from the floor.

- ① Remove only one of the hexagon socket cap button bolts of the currently fitted shelf plate.
- ② Remove the four shelf peg screws (two each on the left and right) to remove the shelf plate.
- ③ Fit the bolt that was removed in step ① and follow steps ① to ③ of the shelf plate fitting procedures.

- ① Hexagon socket cap button bolt



- ② Shelf peg fixing screw (M5x18)

8. Holder (left and right) height adjustment and fixing.

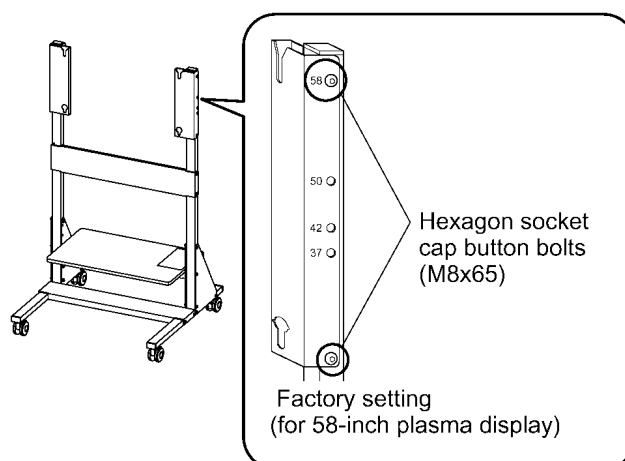
Adjust the height of the holders (left and right) in alignment with the plasma display to be fitted.

As per the factory setting, the holders (left and right) are fixed in alignment with a 58-inch plasma display.

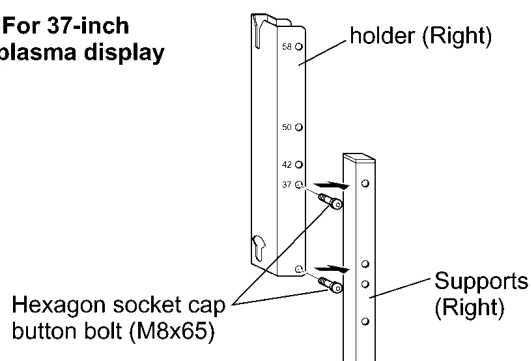
When fitting a 37-inch, 42-inch, or 50-inch plasma display, remove the hexagon socket cap button bolts fixing the holders (left and right). Fit the holders (left and right) so that the stamped size position is in alignment with the highest holes as shown in the figure on the right. Fix them with four hexagon socket cap button bolts (two each on the left and right).

Caution

- Fasten the hexagon socket cap button bolts with a torque of 8 to 10 N•m.
- Do not remove the spring washers and flat washers from bolts.



For 37-inch plasma display



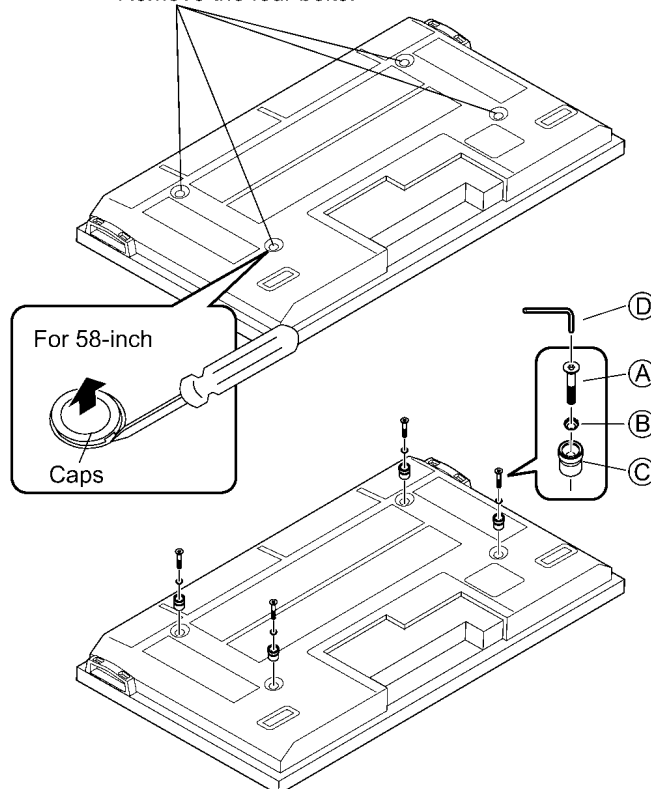
3.2. Prepare the plasma display

Fitting of the insulating spacer to the plasma display main body

- ① Remove the four bolts from the plasma display main body.
(For 58-inch : Using a flathead screwdriver, remove the for caps from the plasma display.)
- ② Fit the main body fixing bolt, toothed pan washer, and insulating spacer supplied in place of the bolts that were removed (at four locations).

(A)	Main body fixing bolt
(B)	Toothed pan washer
(C)	Insulating spacer
(D)	Allen key

Remove the four bolts.



Caution

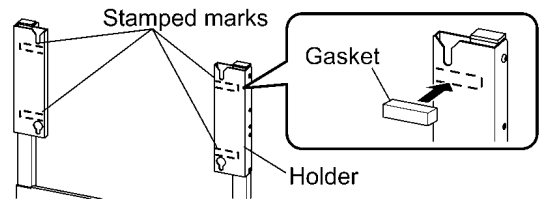
- Place the plasma display with its screen facing downward on a clean blanket, etc. free from stains or foreign substances. Then, follow the steps above.
- Fasten the main body fixing bolts with a torque of 8 to 10 N•m.

3.3. Install the plasma display to the mobile stand

For 58-inch plasma display

Before install the plasma display pasting the 4 gaskets inside the stamp marks of the holders.

- Do not pasting seals except 58 inch plasma display.



1. Fitting of the plasma display main body to the stand

- Hook the insulating spacer on the upper side of the plasma display main unit to the upper notch on the stand. Pull down the plasma display main body.
- While lifting the plasma display main body slightly, insert the insulating spacer on the lower side of the plasma display main body into the holes on the stand. Pull down the plasma display main body.

Note

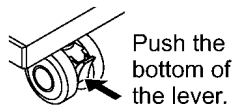
If the plasma display main body is lifted excessively, then the upper spacers may be unhooked.

Caution

Before fitting the plasma display, make sure to lock the casters.

Locking and unlocking the casters

Caster locked

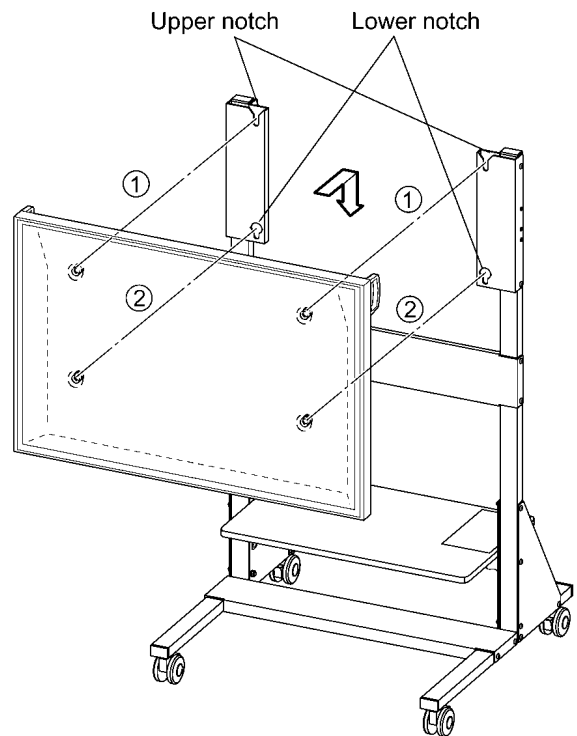


Push the bottom of the lever.

Caster unlocked



Push the top of the lever.



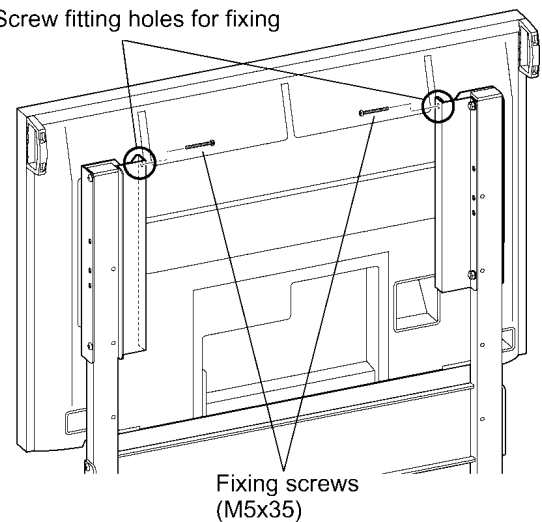
2. Fixing of the plasma display main body

Tightly fasten the fixing screws (M5x35) into the two screw fitting holes for fixing of the holders (on the left and right).

Caution

- Make sure to fit the fixing screws on the left and right to prevent the plasma display main body from coming off.
- Fasten the fixing screws with a torque of 1.5 to 2 N•m.

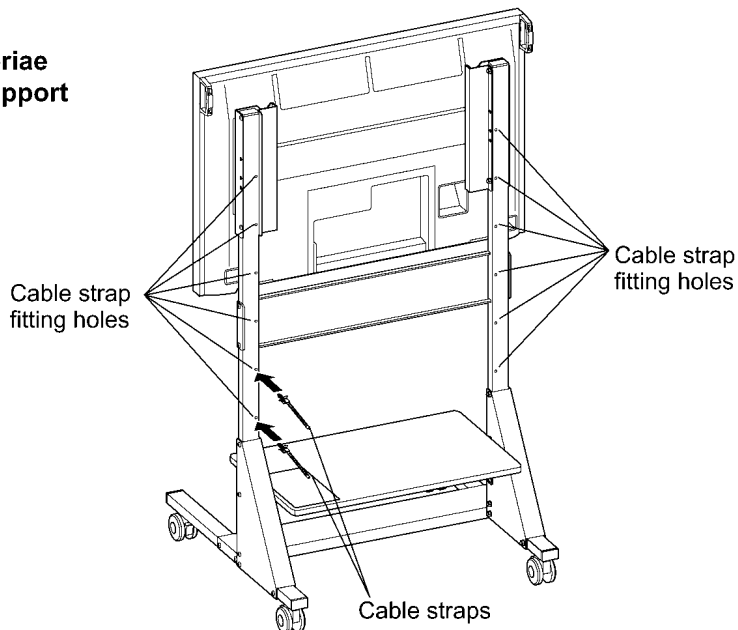
Screw fitting holes for fixing



3.4. Wiring treatment

1. Fitting of cable straps

Insert the supplied cable straps into appropriate cable strap fitting holes at the rear of the support unit.



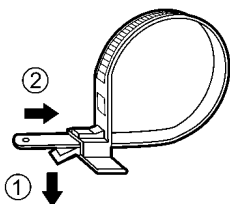
2. Fixing of cables

Bundle the cables connected to the terminals on the bottom of the plasma display main body and fix them with cable straps.

Note

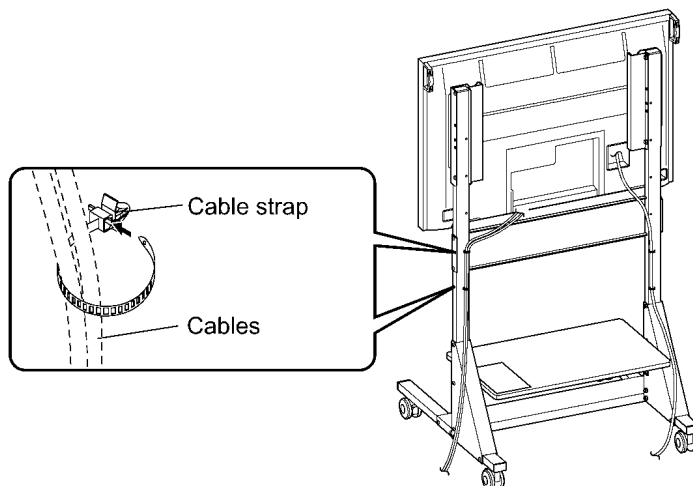
To loosen the cable strap:

- ① While pressing in the direction indicated by the arrow,
- ② Loosen it.



Caution

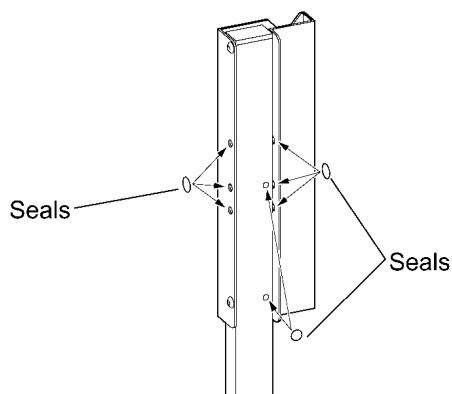
Do not bundle the connection cables and main lead together.



3.5. Pasting seals for unnecessary holes

Pasting seals

Block unnecessary holes for bolts, cable straps, etc. by pasting seals.



3.6. Preventing the plasma display from falling over

The Plasma display could fall over during an earthquake, etc.

We recommend that measures are taken to prevent the Plasma display from falling over in such an event.

* The information in this section is designed to reduce the risk of injuries caused by the Plasma display falling over during an earthquake, etc.

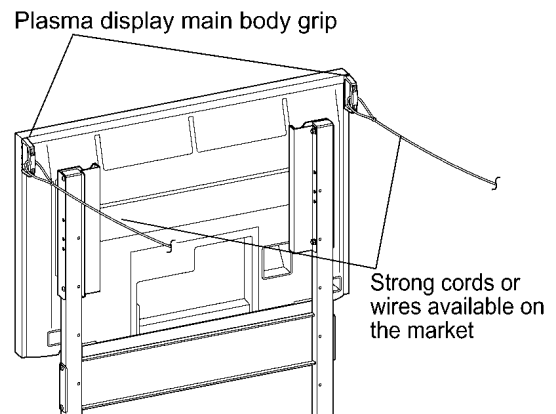
However, no measure can guarantee protection against all earthquakes.

* The precautions in this section are recommendations for providing more secure installation of your plasma display if you live in an earthquake prone area.

Fall prevention treatment

In order to prevent the plasma display from falling, connect strong cords or wires available on the market to sturdy pillars or walls by passing them through the main body grip so that they are not loosened.

The distance between the pillar or wall and the rear of the plasma display main body must be 1 m or less.

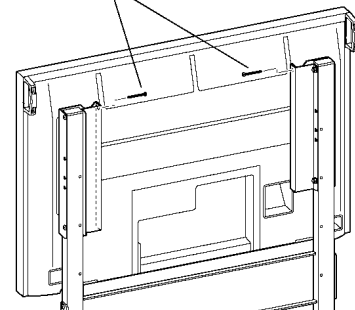


3.7. Removing the plasma display

1. To remove the fixing screws

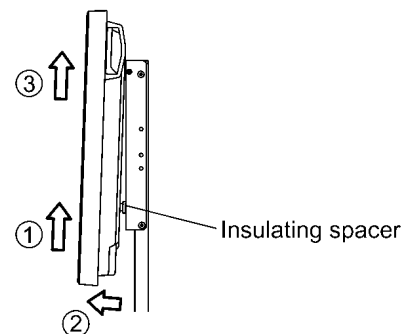
Remove the fixing screws (M5x35) from the holders (on the left and right).

Fixing screw (M5x35)



2. To remove the plasma display main body

- ① While lifting the bottom of the plasma display main body,
- ② Pull it towards you and remove the lower insulating spacer.
- ③ Then, lift it.

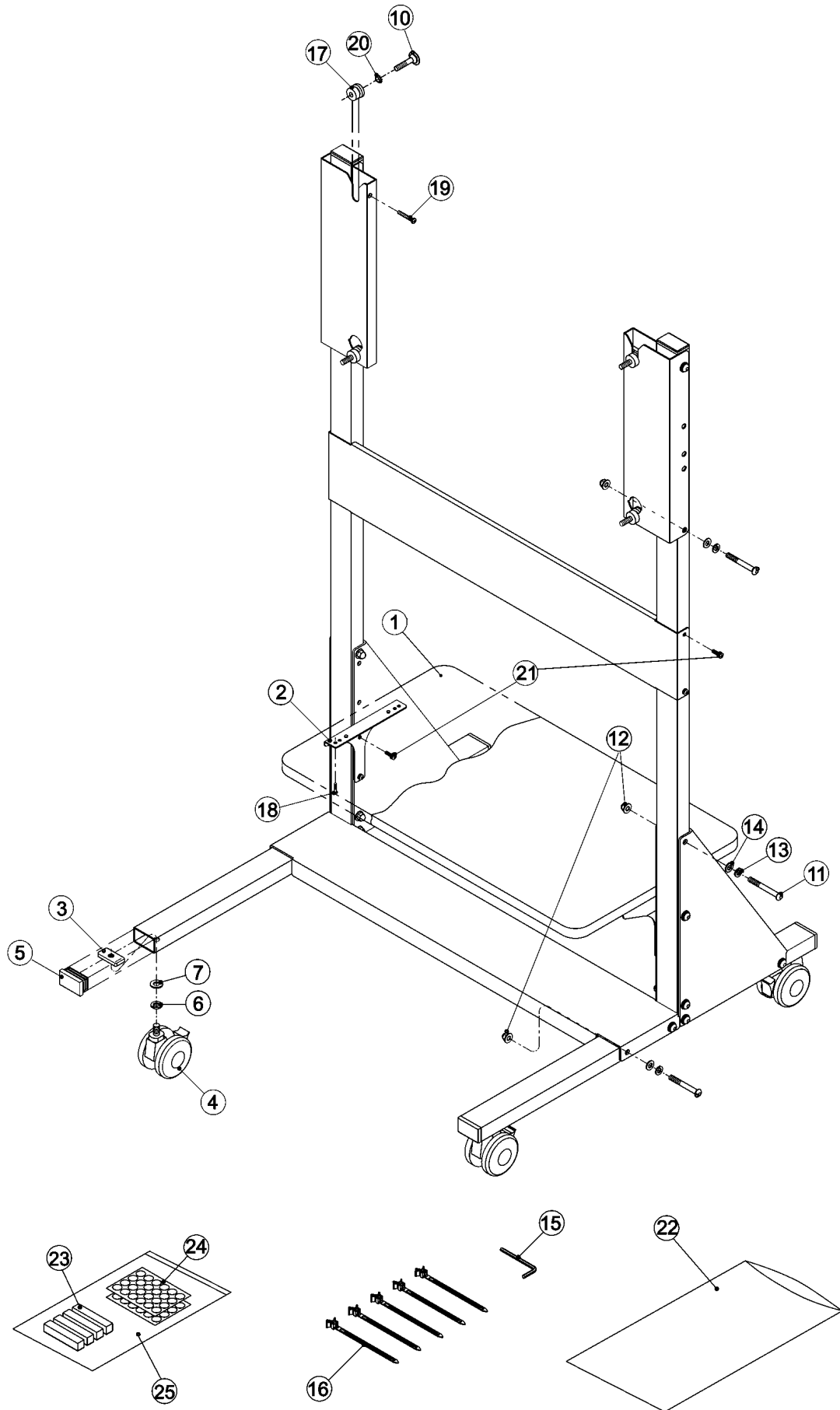


4 Replacement Parts List

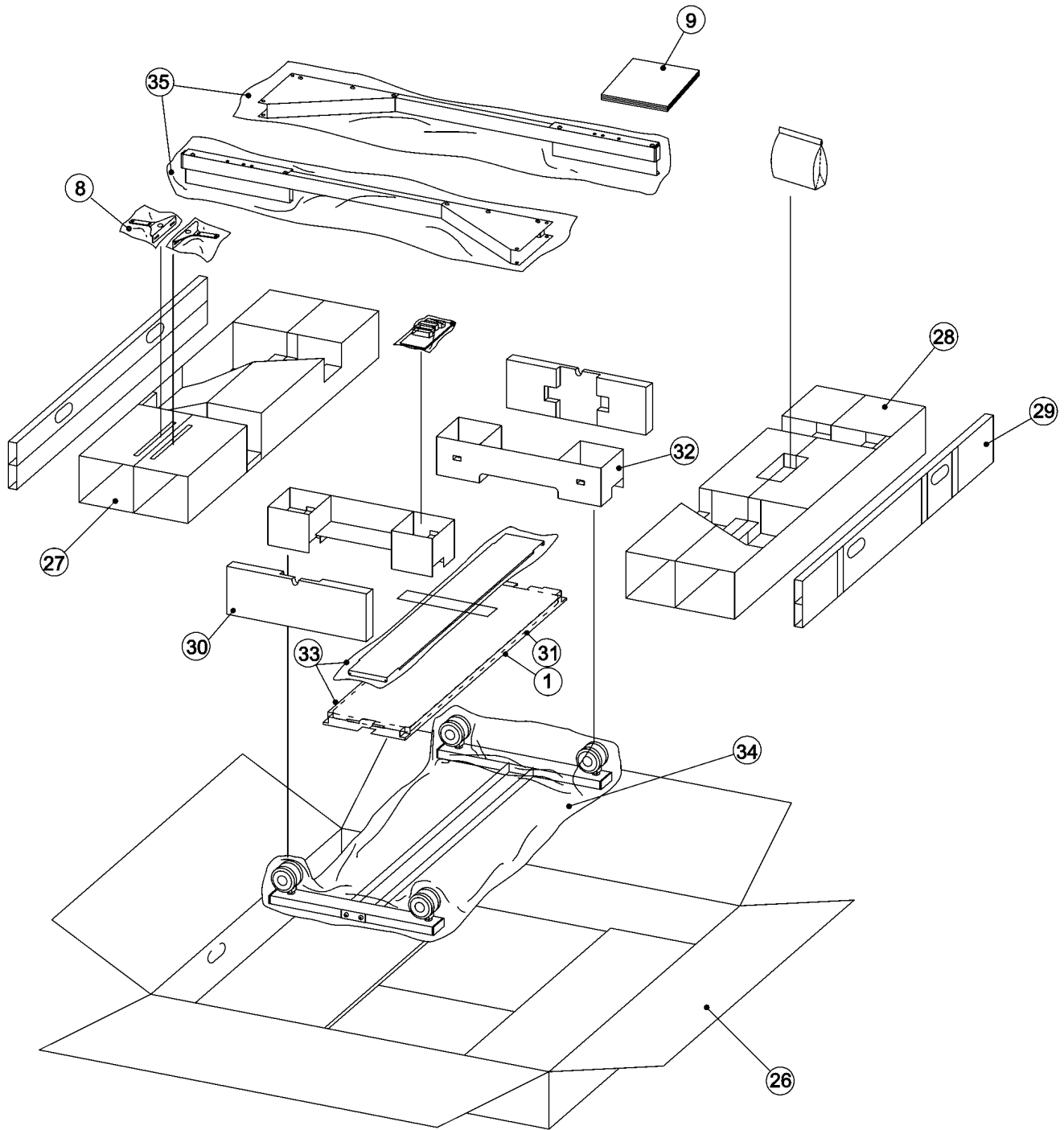
4.1. Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	TBLH0666	SHELF ASSY	1	
2	TBLA3575	SHELF SUPPORT	2	
3	TBLA3576	NUT PLATE	4	
4	TBLB0034	CASTER	4	
5	TBLB3287	CAP	4	
6	XWB10BFJK	SPRING WASHER	4	
7	XWH10H22FJK	WASHER	4	
8	XZB16X28C05	POLY BAG	2	
9	TQZH914	INSTRUCTION BOOK	1	
10	THEA180J	BOLT	4	
11	THEA184J	SCREW	4	
12	THNX051J	NUT	4	
13	THWA011J	SPRING WASHER	4	
14	THWC021J	WASHER	4	
15	TKKX0010-1	WRENCH	1	
16	TMMC005	CABLE STRAP	5	
17	TMMX046	INSULATING SPACER	4	
18	XMM38+16FJK	SCREW	4	
19	XSN5+35V	SCREW	2	
20	XWC8DFJK	WASHER	4	
21	XYN5+F18FJK	SCREW	8	
22	XZB14X20C08	POLY BAG	1	
23	TEWA317	GASKET	4	
24	TQFE006	COVER LABEL	48	
25	XZB11X15C05	POLY BAG	1	
26	TPCC30901	CARTON BOX	1	
27	TPDF2037	SIDE PAD A	1	
28	TPDF2038	SIDE PAD B	1	
29	TPDF2039	SIDE PAD C	2	
30	TPDF2040	SIDE PAD D	2	
31	TPDF2041	COVER PAD	1	
32	TPDF2042	ASSIST PAD	2	
33	TPEH084-1	PROTECT COVER	2	
34	TPEH087-1	POLY BAG	1	
35	TPEH099-1	POLY SHEET	2	

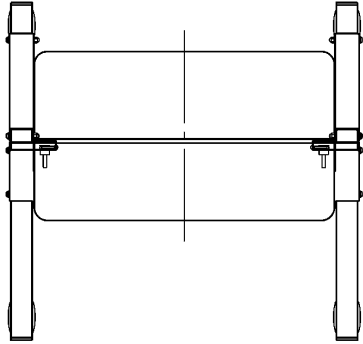
4.2. Exploded View



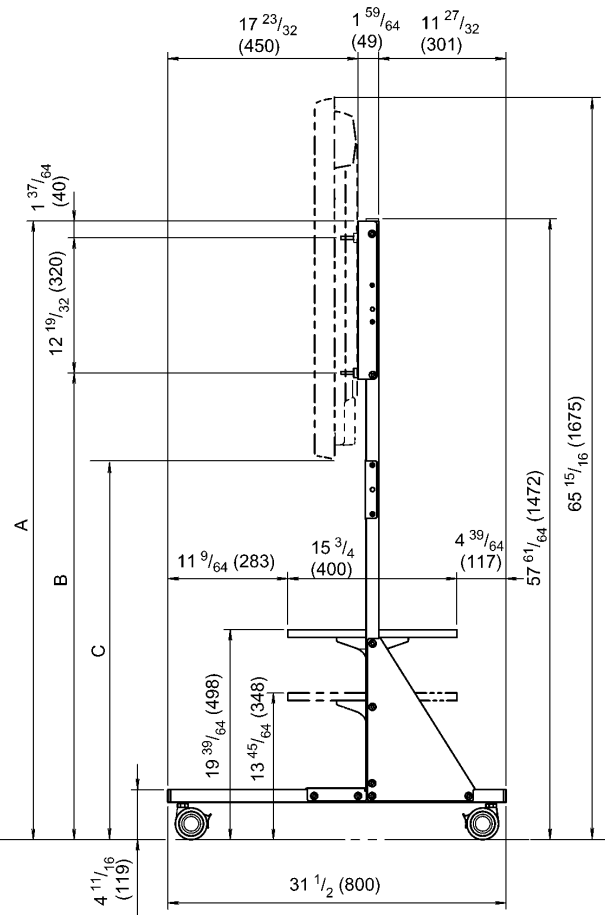
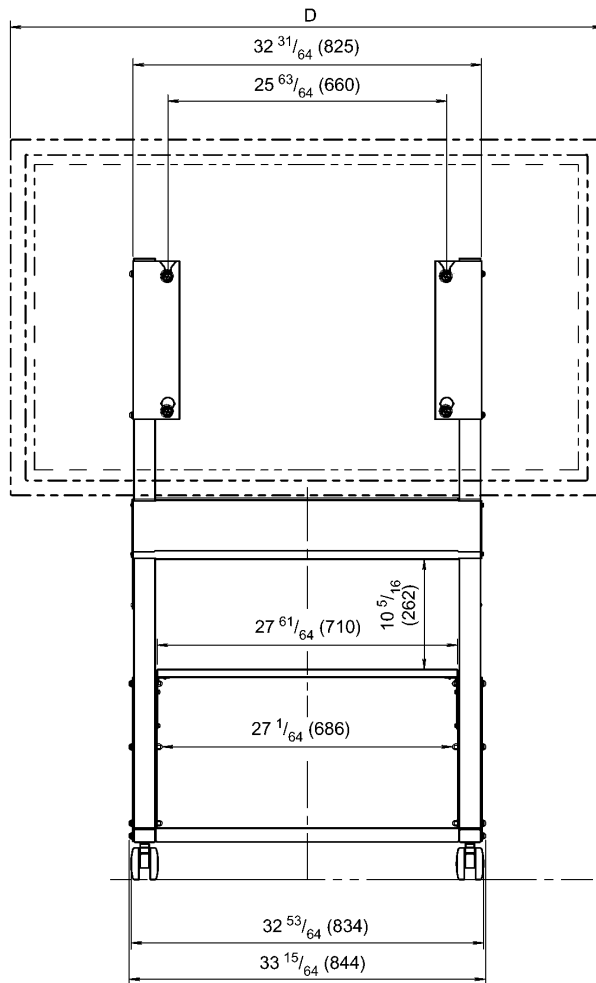
4.3. Packing summary



5 External dimensions drawing



		A	B	C	D
Display Size	37"	65 ¹⁵ / ₁₆ (1675)	51 ⁴⁹ / ₆₄ (1315)	47 ¹ / ₄ (1200)	36 ⁷ / ₃₂ (920)
	42"	64 ⁴⁹ / ₆₄ (1645)	50 ¹⁹ / ₃₂ (1285)	44 ⁷ / ₈ (1140)	40 ⁵ / ₃₂ (1020)
	50"	62 ³³ / ₆₄ (1588)	48 ¹¹ / ₃₂ (1228)	40 ²⁵ / ₆₄ (1026)	47 ⁴¹ / ₆₄ (1210)
	58"	57 ²³ / ₃₂ (1466)	43 ³⁵ / ₆₄ (1106)	35 ⁴⁵ / ₆₄ (907)	55 ⁵ / ₆₄ (1399)



[Unit : inches (mm)]